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Indexed in:

Chemical Abstracts, Scopus

eISBN: 978-1-60805-316-2

The Role of New Technologies in Medical Microbiological Research and Diagnosis

www.ebooks.benthamscience.com/book/9781608053162

About the eBook

This eBook provides a comprehensive overview of state of the art applications of biomolecular techniques that are currently used, or are in development in the field of microbiological diagnostics research including genomics, proteomics, immunologics, biosensors, microarrays and nanoculture technologies.

Contents

- Can We Improve on the Petri Dish with Porous Culture Supports?
- Peptide-Based Probes and Biosensor Technology in Medical Microbiological Diagnosis and Research
- MALDI-TOF MS for Identification of Microorganisms: A New Era in Clinical Microbiological Research and Diagnosis
- The Role of New (Meta-) Metabolomic Technologies in Medical Systems Microbiology
- The Use of Electronic Nose Devices in Clinical Microbiology
- Nanoparticles in Medical Microbiological Research and Diagnosis
- Loop-Mediated Isothermal Amplification (LAMP) in Medical Microbiological Research and Diagnosis

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